



Electrical features

Number of poles	Nr.	3
Magnetic protection		yes
Thermal protection		yes
Phase failure detection		yes
Rated insulation voltage U_i IEC/EN	V	1000
Rated impulse withstand voltage U_{imp}	kV	6
Rated frequency	Hz	50/60
Thermal trip adjustment range		70...90
Rated current (I_n)	A	90
Magnetic tripping		13 x I_n
Power dissipation per pole	max	W 7

Operational short-circuit current breaking capacity (I_{cs}) at AC

230V	kA	100
400V	kA	38
440V	kA	30
500V	kA	6
690V	kA	4

Maximum short-circuit current breaking capacity (I_{cu}) at AC

230V	kA	100
400V	kA	50
440V	kA	40
500V	kA	8
690V	kA	5

Tripping class		10A
IEC Utilization category		A

Operations

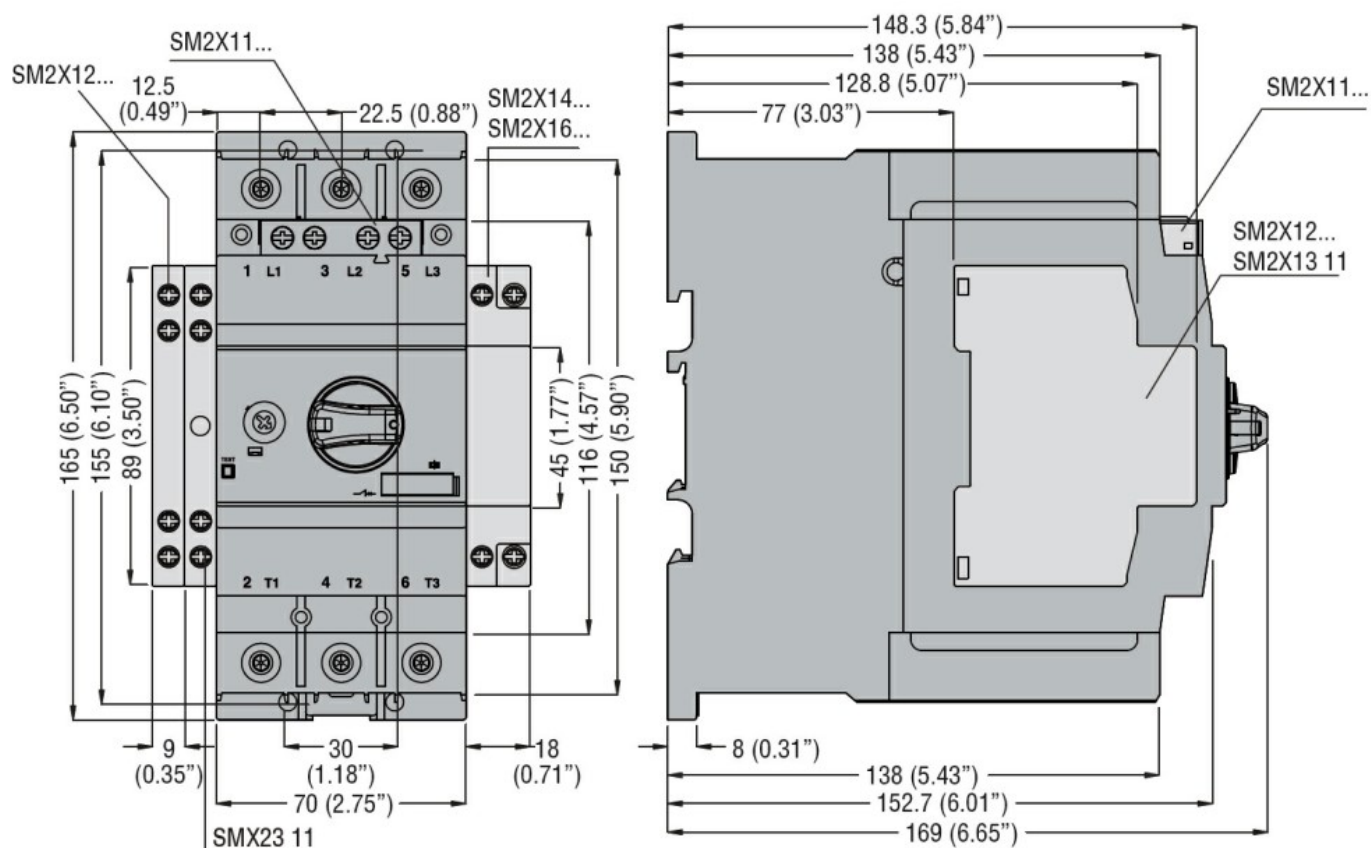
Mechanical life	cycles	50000
Electrical life	cycles	25000

Mechanical features

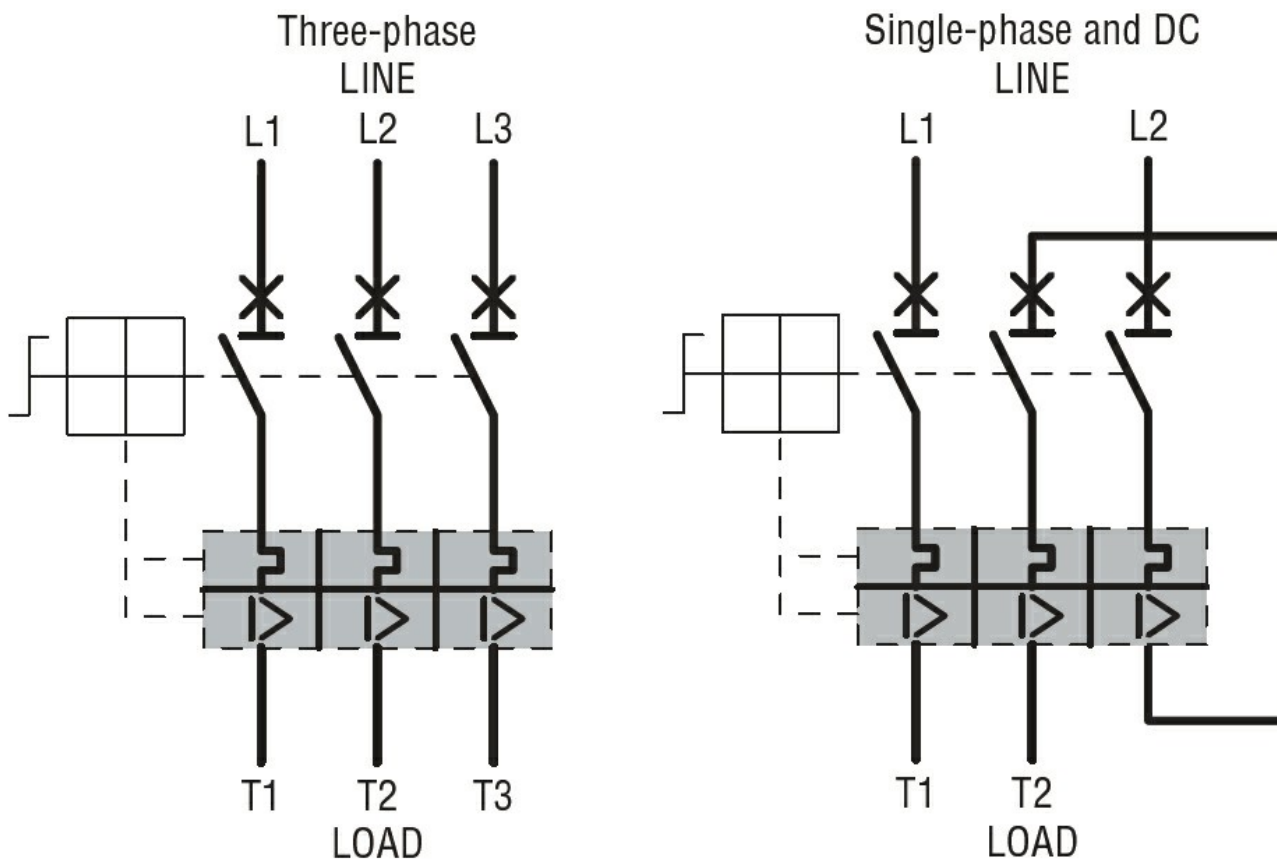
Tightening torque for terminals			
	min	Nm	4.5
	max	Nm	4.5
	min	lbin	4.4
	max	lbin	4.4
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		12
	max		1/0
Flexible c/w lug conductor section			
	min	mm ²	10
	max	mm ²	50
Flexible with insulated spade lug conductor section			

		min	mm ²	10
		max	mm ²	50
Screwdriver				Allen 4mm
Power terminal protection according to IEC/EN 60529				IP20
Cable stripping lenght				
	main circuit	mm		1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+70
	Storage temperature			
		min	°C	-50
		max	°C	+80
	Compensation temperature			
		min	°C	-50
		max	°C	+40
Max altitude			m	3000
Operating position				
	normal allowable			Vertical plan Any
Fixing				Screw / DIN rail 35mm
Weight			g	2200
UL technical data				
Motor Disconnect				
	at 480V	kA		40
	at 600V	kA		10
	protection			Fuse or CB
Group Motor Installation				
	at 480V	kA		40
	at 600V	kA		10
	protection			Fuse or CB
Tap Conductor Protection				
	at 480Y/277V	kA		40
	at 600Y/347V	kA		10
UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current				
	at 240V	kA		100
	at 480Y/277V	kA		40
Maximum UL/CSA horsepower ratings single-phase				
	110V-120V	HP		7½
	220V-240V	HP		20
Maximum UL/CSA horsepower ratings three-phase, 3-pole				
	200V-208V	HP		25
	220V-240V	HP		30
	440V-480V	HP		60
	550V-600V	HP		75

Dimensions



Wiring diagrams



Certifications and compliance

Certifications

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-2

IEC/EN 60947-4-1

UL508

Compliance

cULus

EAC

ETIM classification

ETIM 8.0

EC000074 -
Motor protection
circuit-breaker